

1 **ABSTRACT**

2 An extensible kernel-mode audio (e.g., MIDI) processing architecture is  
3 implemented using multiple modules that together comprise a module graph. The  
4 module graph is implemented in kernel-mode, reducing latency and jitter when  
5 ~~handling audio data by avoiding transfers of the audio data to user-mode~~  
6 applications for processing. In one embodiment, the audio processing architecture  
7 is readily extensible. A graph builder can readily change the module graph,  
8 adding new modules, removing modules, or altering connections as necessary, all  
9 while the graph is running.  
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